IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

HANSON et al.

Serial No. 09/660,500

Filed: 12 September 2000

Atty. Ref.: 3978-2

TC/A.U.: 2142

Examiner: Prieto, Beatriz

For: METHOD AND APPARATUS FOR PROVIDING MOBILE AND

OTHER INTERMITTENT CONNECTIVITY IN A COMPUTING

ENVIRONMENT

* * * * * * * * *

December 22, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with Rule 97, the undersigned attorney submits the documents listed on the attached form PTO-1449. A copy of each document is enclosed.

The Examiner is requested to initial the attached form PTO-1449 and to return a copy to the undersigned as an indication that the listed documents have been considered and made of record in this case.

Respectfully submitted,

NIXON & VANDERHYE P.C.

Bv:

Robert W. Faris

Reg. No. 31,352

RWF:ejs

1100 North Glebe Road, 8th Floor

Arlington, VA 22201-4714

Telephone: (703) 816-4000

Facsimile: (703) 816-4100

Sheet	1	of	2

		_
INFORMATION DISCLOSURE	ATTY. DOCKET NO.	SERIAL NO.
OTP ESTATION	3978-2	09/660,500
	APPLICANT	
DEC 2 2 2004 y	HANSON et al.	
(Use several sheets if necessary)	FILING DATE	TC/A.U.
TRADEMARK.	12 September 2000	2142

ANAINTE	· · · · · · · · · · · · · · · · · · ·	<u> </u>	S. PATENT DOCUMENTS				FILING	חאדיי
AMINER NITIAL	DOCUMENT NUMBER	DATE	NAME	C	LASS	SUBCLASS	IF APPRO	PRIAT
	5,166,931	11/1992	Riddle					
	5,812,819	09/1998	Rodwin et al.					
	5,835,725	11/1998	Chiang et al.					
	5,918,016	06/1999	Brewer et al.					
	5,941,956	08/1999	Shirakihara et al.					
	5,956,640	09/1999	Eaton et al.		0			
	6,052,725	04/2000	McCann et al.					
	6,131,121	10/2000	Mattaway et al.					
	6,185,184	02/2001	Mattaway et al.					
	6,195,705	02/2001	Leung					
	6,212,563	04/2001	Beser					
-	6,233,616	05/2001	Reid					
	6,243,749	06/2001	Sitaraman et al.	<u> </u>				
	6,252,884	06/2001	Hunter					
	6,412,025	06/2002	Cheston et al.					
	6,510,153	01/2003	Inoue et al.					
	6,614,774	09/2003	Wang					
	2002/0167922	11/2002	Inoue et al.					
	2002/0176383	11/2002	Inoue et al.					
	2002/0122394A1	09/2002	Whitmore et al.					
	2002/0075812A1	06/2002	Corwin	<u> </u>				
	2002/0091855A1	07/2002	Yemini et al.					
	2002/0093956A1	07/2002	Gurin					
	2002/0147843A1	10/2002	Rao		*			
	2003/0017845A1	01/2003	Doviak et al.					
	2003/0061384A1	03/2003	Nakatani					
	2003/0223439A1	12/2003	O'Neill				•	
	2003/0228874A1	12/2003	Mallette				,	
		FORE	EIGN PATENT DOCUMENTS		-		TRANSI	ATIO
	DOCUMENT	DATE	COUNTRY	С	LASS	SUBCLASS	YES	NC
	EP 0 998 094 A2	05/2000	EPO					
	WO 02/19636A1	03/2002	PCT					
	CA 2303987	03/1999	Canada		-			

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

INFORMATION DISCLOSURE	ATTY, DOCKET NO.	SERIAL NO.	
O P ETATION	3978-2	09/660,500	
画	APPLICANT		
DEC 2 2 2004 25	HANSON et al.		
(Use several sheets if necessary)	FILING DATE	TC/A.U.	
TA TRADEMANT	12 September 2000	2142	

	12 September 2000 2142
	OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.)
	Kleinrock, Leonard, Nomadix, Inc., "On Some Principles of Nomadic Computing and Multi-Access Communications," <i>IEEE Communications Magazine</i> , pp 46-50 (07/2000)
	Caporuscio, Maurio, et al., "Design and Evaluation of a Support Service for Mobile, Wireless Publish/Subscribe Applications," <i>IEEE Transactions on Software Engineering</i> , Vol. 29, No. 12, pp. 1059-1071 (12/2003)
	Technical Report, 3G TR 23.923 V.3.0.0, XP-002282368, 3rd Generation Partnership Project; Technical Specification Group Services and System Aspects; Combined GSM and Mobile IP Mobility Handling in UMTS IP CN" (05/2000)
	Valko, A., et al., XP-002133539, Internet Draft, "Cellular IP" (11/18/1998)
	Technical Report, 3GPP TR 23.922 V1.0.0 (1999-10) XP-002144276, , 3rd Generation Partnership Project, Technical
	Specification Group Services and Systems Aspects; Architecture for an All IP network"
	Balakrishnan, Hari, et al., XP-000734405, "A Comparison of Mechanisms for Improving TCP Performance over
	Wireless Links," IEEE/ACM TRANSACTIONS ON NETWORKING, Vol. 5, No. 5,(12/1997)
	Ala-Laurila, Juha, et al., "Implementation of the wireless ATM access terminal," COMPUTER NETWORKS 31, pp. 959-973 (1999)
	Kei, Lee Man, et al., "An Efficient RPC Scheme in Mobile CORBA Environment," IEEE (2000)
	Wright, Michele, XP-002116275, "Using Policies for Effective Network Management," INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, 9, 118-125 (1999)
	Technical Specification, ETSITS 123 107 V3.3.0 (2000-06), XP-002201573, Universal Mobile Telecommunication System (UMTS); QoS Concept and Architecture (Release 1999)
	Martin, Jean-Christophe, "Policy-Based Networks," XP-002271561, Sun BluePrints OnLine (10/1999)
	Kobielus, James, "Prospects are golden for Wireless Data Services," Special Focus, Wireless Networks, NETWORK WORLD (11/7/1994)
	Brodsky, Ira, "PDAs will usher in the next net revolution," Special Focus, Wireless Networks, NETWORK WORLD (11/7/1994)
	Mathias, Craig et al., "The ABCs of PCS," Special Focus, Wireless Networks, NETWORK WORLD (11/7/1994)
	Cáceres, R., et al., "Improving the Performance of Reliable Transport Protocols in Mobile Computing Environments"
	Jacobson, V. et al., Networking Working Group Request for Comments: 1072, "TCP extensions for long-delay paths" (10/1988)
	Jacobson, V., Networking Working Group Request for Comments: 1144, "Compressing TCP/IP headers for low-speed serial links" (02/1990)
	Jacobson, V., et al., "Congestion Avoidance and Control" (11/1988)
	Medhi, D., et al., "Network Dimensioning and Performance of Multiservice, Multirate Loss Networks with Dynamic Routing," IEEE/ACM TRANSACTIONS ON NETWORKING, Vol. 5, No. 6, pp. 944-957 (12/1997)
	Inouye, Jon et al., "Dynamic Network Reconfiguration Support for Mobile Computers," MOBICOM 97 Budapest Hungary, pp. 13-22 (1997)
	Alanko, T., et al., "Mobile computing based on GSM: The Mowgli approach," IFIP '96 WORLD CONFERENCE – MOBILE COMMUNICATIONS, Canberra, Australia (09/2-6/1996)
Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

*Examiner

INFORMATION DISCLOSURE	ATTY. DOCKET NO.	SERIAL NO.	
OTP ECHATION	3978-2	09/660,500	
	APPLICANT		
DEC 2 2 2004 E	HANSON et al.		
(Use several speets if necessary)	FILING DATE	TC/A.U.	
(Use several greets if necessary)	12 September 2000	2142	

	OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) Published Internet Standards: Request for Comment No. 1122, "Requirements for Internet Hosts – Communications
	Layers" (IETF 10/1989)
	Almquist, P. RFC 1716 "Towards Requirements for IP Routers" (IETF 11/1994)
	Braden, R., RFC 1009 "Requirements for Internet Gateways" (IETF 06/1987)
	Braden, R., RFC 1123, "Requirements for Internet Hosts – Application and Support" (10/1989)
	Baker, F. RFC 1812 "Requirements for IP Version 4 Routers" (IETF 6/1995)
	Perkins, Internet Draft: "IP Mobility Support" (IETF 5/31/1996)
	Perkins, Internet Draft: "IP Encapsulation Within IP" (IETF 5/31/1996)
-	Perkins, C., RFC 2003, "IP Encapsulation within IP," (IETF 10/1996)
	mailing list at http://www.citi.umich.edu/projects/mobile/mobile-ip-mail (6/92 - 7/95)
	Castineyra, I., RFC 1992, "The Nimrod Routing Architecture" (IETF August 1996)
	Ramanathan, "Nimrod Mobility Support" (Internet Draft July 1994)
	Request for Comment (RFC) 1674 "A Cellular Industry View of IPng" (IETF August 1994)
	Almquist, P., "Ruminations on Next-Hop" (March 25, 1993)
	Katz, "Transmission of IP and ARP over FDDI Networks" (Internet Draft September 14, 1992)
	Ohta, "Conventional IP over ATM" (Internet Draft March 1995)
	Ranch, "Transmitting IP Traffic over LocalTalk Networks" (Internet Draft July 1992)
	Stevenson, "A Method for the Transmission of IP Datagrams Over SNA Networks Using LU6.2 Conversations" (May 1992)
	Bordan, Jonathan, Power Point Presentation "Wireless WAN Extensions to NDIS Mobitex NDIS driver" (Ericsson
	Communications Canada Connectivity Lab (7/17/1996)
	WRQ Reflection Network Series TCP Connection Version 4 (1994)
	"TCP Connection stacks up as #1 in InfoWorld Comparison." WRQ Quarterly No. 30 Quarter 4 (1994)
	"WRQ's Reflection Network Series Supports New Wireless Mobile Computing: McCaw Dubs WRQ's TCP Well-Suited
	for Cellular," McCaw chooses WRQ's TCP Connection: calls Reflection "well-suited for cellular" (WRQ 10/11/94 Pres
	Release)
	"How WRQ's TCP Connection Reduces Costs and Improves Reliability in Mobile/Wireless Computing" (WRQ 1/95)
	"Questions and Answers for TCP/IP for CDPD Wireless Communications" (WRQ 11/94)
	Power Point Presentation "Advantages of WRQ's TCP" (WRQ 1994)
	White Paper, "TCP/IP: The Best Protocol for Remote Computing," www.rysavy.com/Articles/remote.htm (1996)
	www.ka9q.net/code/ka9qnos/ (last updated 3/15/2002)
	Cerf, V., RFC 829, "Packet Satellite Technology Reference Sources" (11/1982)
	B. Tuch, Development of WaveLAN, an ISM band wireless LAN, Lucent Technical Journal, 27-37 (July/August 1993)
	Portable Computer and Communications Association (PCCA) "Extensions to NDIS for Wireless WANs" (Version 1.0 1996)
	PCCA STD-201 "Extensions to NDIS for Wireless WANs" Version 1.1 (7/7/2000)
	PCCA-XWPDS, Draft Proposed PCCA Standard, "PCCA Extensions for the PC/TCP Packet Driver Specification,"
	Revision 1.03a (12/11/1994)
	PCCA-XSTD-201, "Wireless Extensions to NDIS 3 PROPOSAL, Draft Version 0.08 (7/5/1995)
	PCCA-XSTD-201, "Extensions to NDIS 3 for Wireless WANs, Draft Version 0.09 (8/31/1995)
	PCCA-XSTD-201, "Extensions to NDIS 3 for Wireless WANs, Version 1.1 (1/3/1996)
	PCCA-XSTD-201, "Extensions to NDIS 3 for Wireless WANs, Version 1.2 (1/17/1996)
	PCCA-XSTD-201, "Extensions to NDIS 3 for Wireless WANs, Version 1.0 (10/25/1995)

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

Date Considered

INFORMATION DISCLOSURE PECITATION 3978-2 APPLICANT HANSON et al. FILING DATE TC/A.U. 12 September 2000 2142 OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997) PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile PADCOM, Inc. today introduced SmartPath" (9/22/1997)	
APPLICANT HANSON et al. FILING DATE TC/A.U. 12 September 2000 OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997) PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile	
HANSON et al. (Use several deets if necessary) FILING DATE TC/A.U. 12 September 2000 2142 OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997) PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile	
TC/A.U. 12 September 2000 OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997) PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile	
TC/A.U. 12 September 2000 2142 OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997) PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997) PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997) PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile	
OTHER DOCUMENTS (including Author, Title, Date, Pertinent pages, etc.) PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997) PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile	
PCCA-STD-201, "Extensions to NDIS for Wireless WANs, Revision 1.1 (5/9/1997) PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile	
PCA STD-201 "Extensions to NDIS for Wireless WANs, Official Standard, Appendices A-F, (3/18/1997) Solomon, Internet Draft, "Mobile IP Working Group," (5/24/1996) Press Release, "Bethlehem, Penn. –(Business Wire) via Individual Inc. – Designed for businesses with mobile	
Press Release, "Bethlehem, Penn(Business Wire) via Individual Inc Designed for businesses with mobile	
TADEON, Inc. today introduced smart atti (3/22/1991)	workers,
	,
	 -
	-
1	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application.

*Examiner

Date Considered